



Naval Capabilities Development Process

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OPNAV N70***



SEA POWER 21

Capabilities, concepts and processes

Projecting Defense...

Sea Shield

Innovation to the
Warfighter...

Sea Trial

Preparing the
Warfighter...

Sea Warrior

Resources to the
Warfighter...

Sea Enterprise

FORCEnet

Sea Strike

Projecting Offensive Power...

Sea Basing

Projecting joint power from the sea...

Scale 1:134,000,000
Robinson Projection
standard parallels 38°N and 38°S

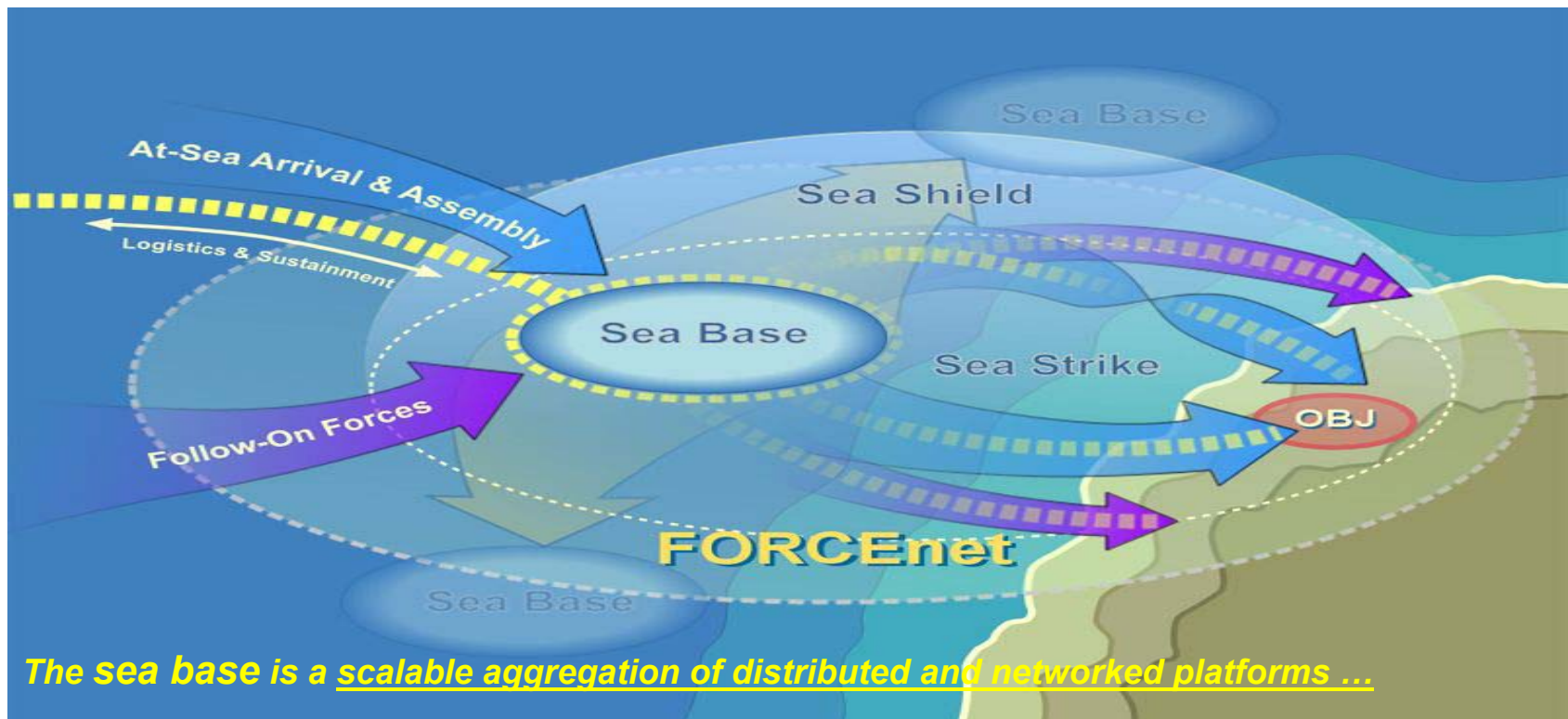
June 2000

Boundary representation is
not necessarily authoritative

802703AI (R00352) 6-00

Transformation

Seabasing, a national capability, is the overarching transformational operating concept for projecting and sustaining naval power and joint forces, which assures joint access by leveraging the operational maneuver of sovereign, distributed, and networked forces operating globally from the sea.



Focus now: Seabasing Joint Integration

Process Transformation

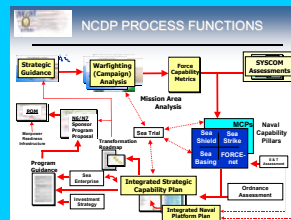
Naval Capabilities Development Process

- ❑ Navy is evolving from a threat based, platform centric requirement process...
- ❑ To a capabilities based process measured against “what it takes to win”?

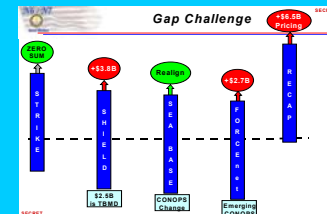
Vision *SP21*



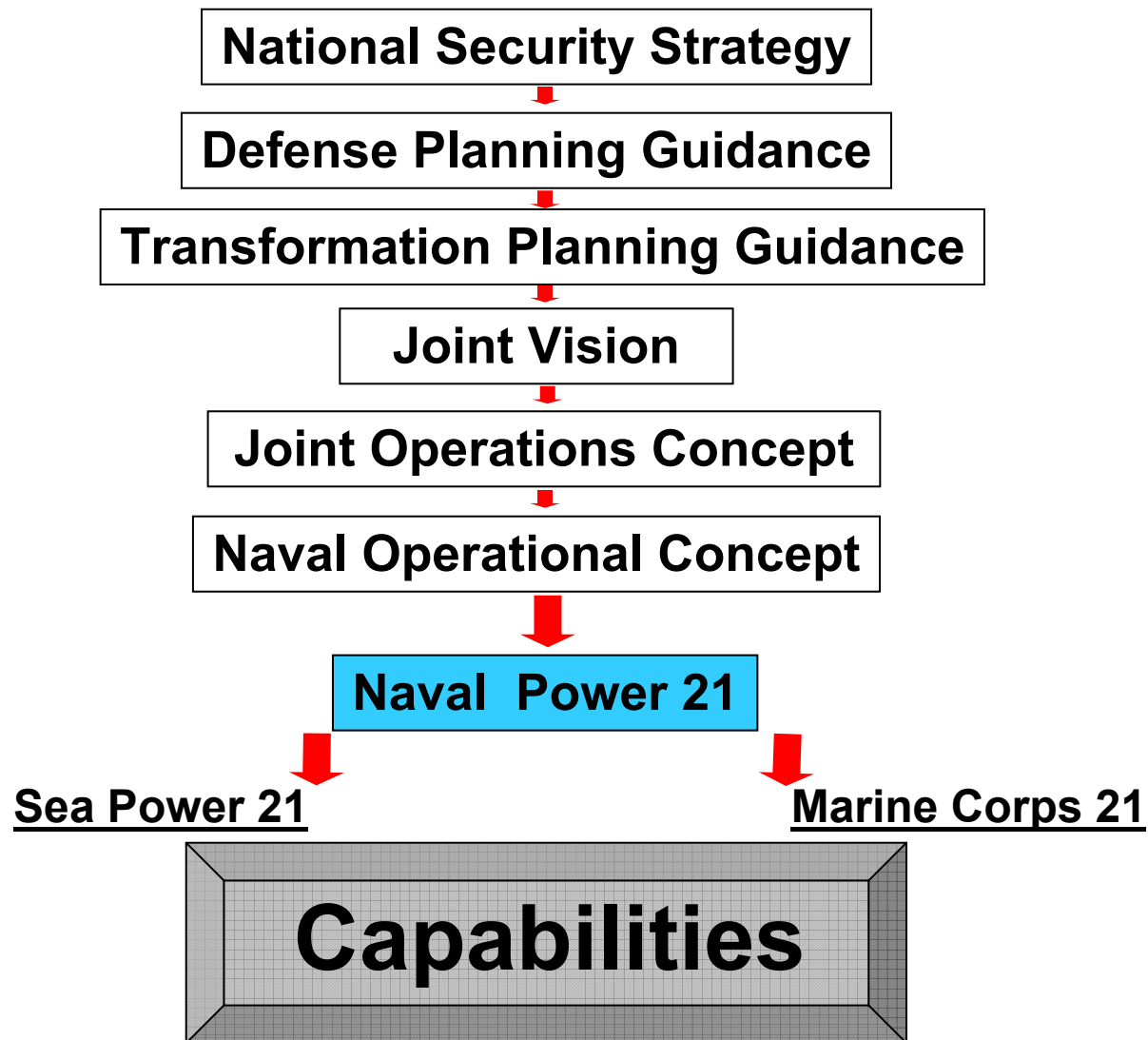
Process *NCDP*



Product *ISCP/SPP*

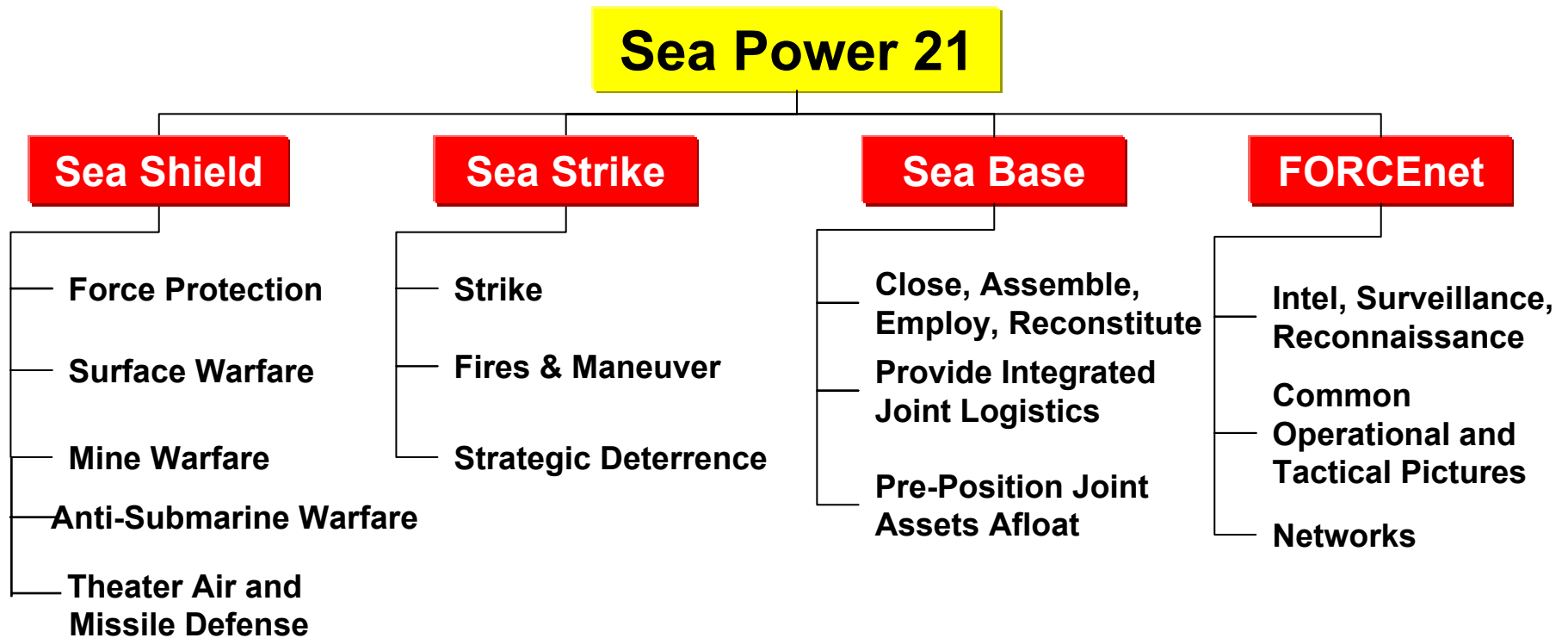


Strategy & Guidance





Navy Process Structure



12 Mission Capability Package
61 Warfighting Capabilities



Sea Shield CONOPS

❑ Protect the Sea Base

Provide Air, Surface and Subsurface Self-Defense
Counter SOF, CBRNE and Terrorist Threats
Provide Sea Based Missile Defense to maritime forces

❑ Assure Access in Contested Littorals

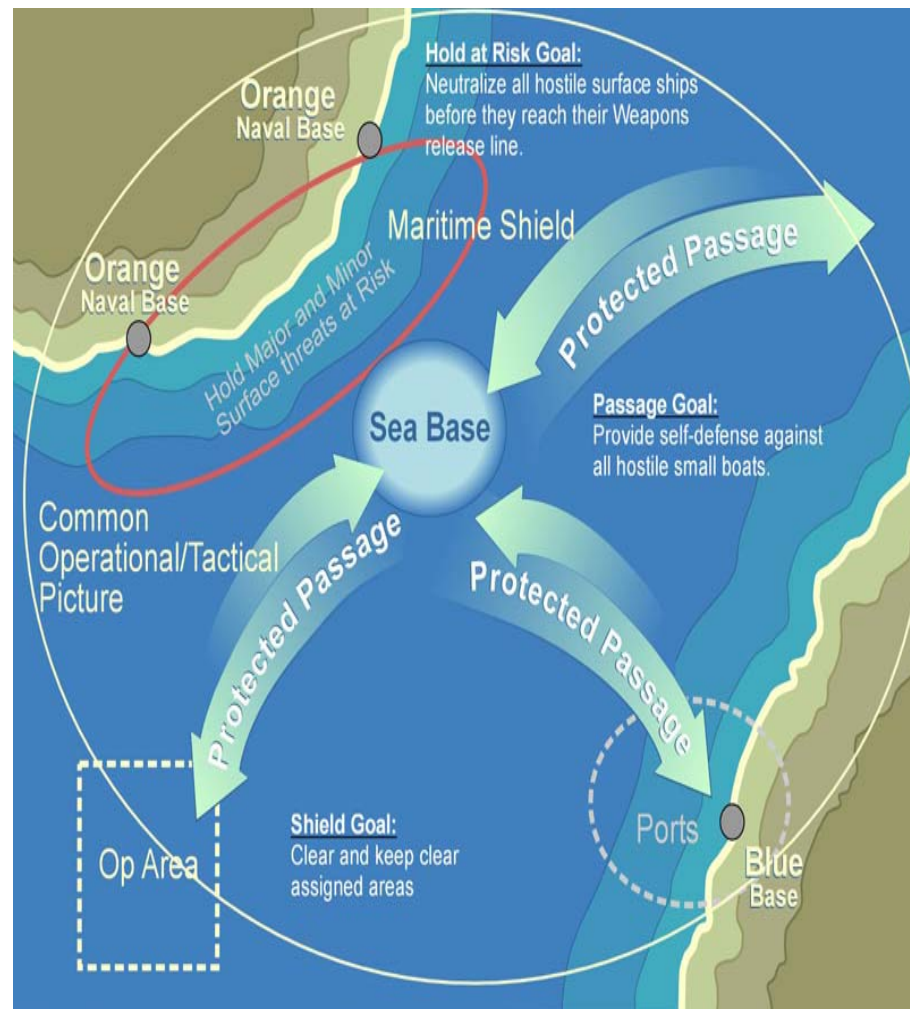
Neutralize Open Ocean and Littoral Submarine Threats
Counter Minefields from Deep to Shallow Water
Provide Maritime Air, Surface and Missile Defense

❑ Project Defensive Power Over Land

Breach Minefields, Obstacles, and Barriers
Provide Overland Air and Missile Defense
Provide Sea Based Missile Defense to critical logistics hubs and joint expeditionary forces

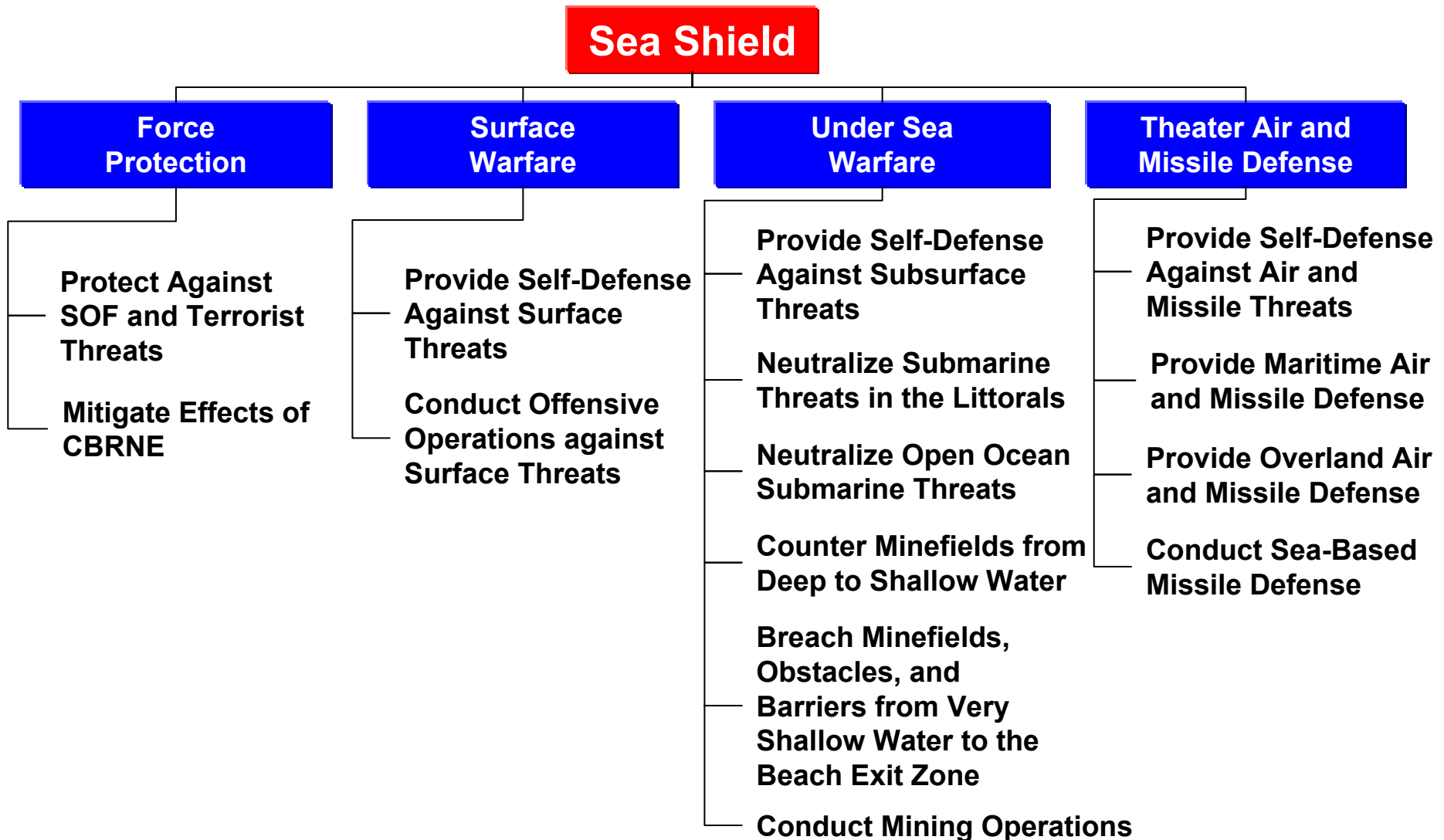
❑ Homeland Defense

Provide Sea Based Missile Defense





Sea Shield Capabilities





N6/N7 Warfare Requirements & Programs

Vision

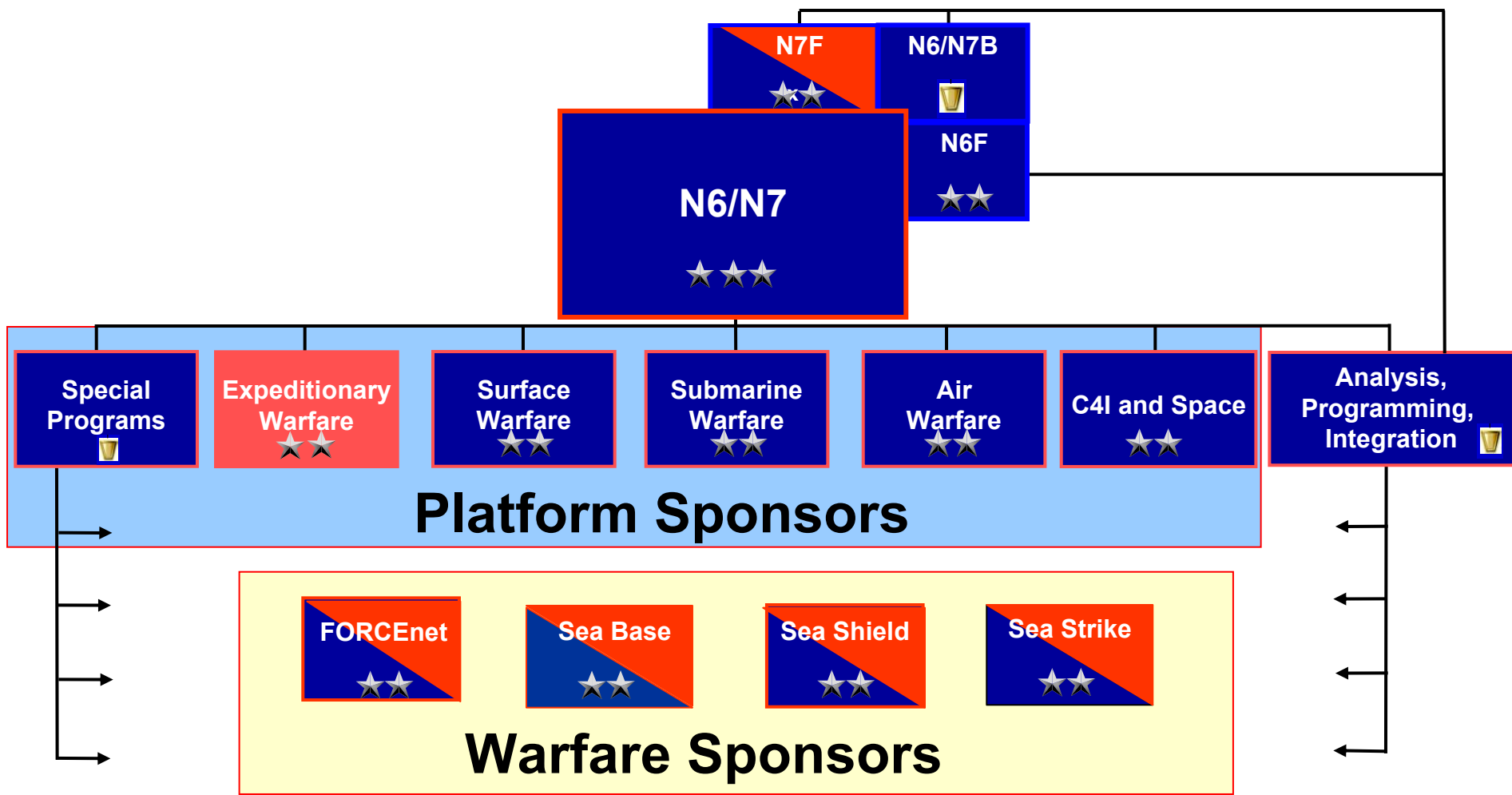
To ensure an integrated Naval architecture that preserves and extends Naval Warfighting capability into the future

Mission

To integrate and program force requirements for all warfare disciplines



N6/N7 Organization

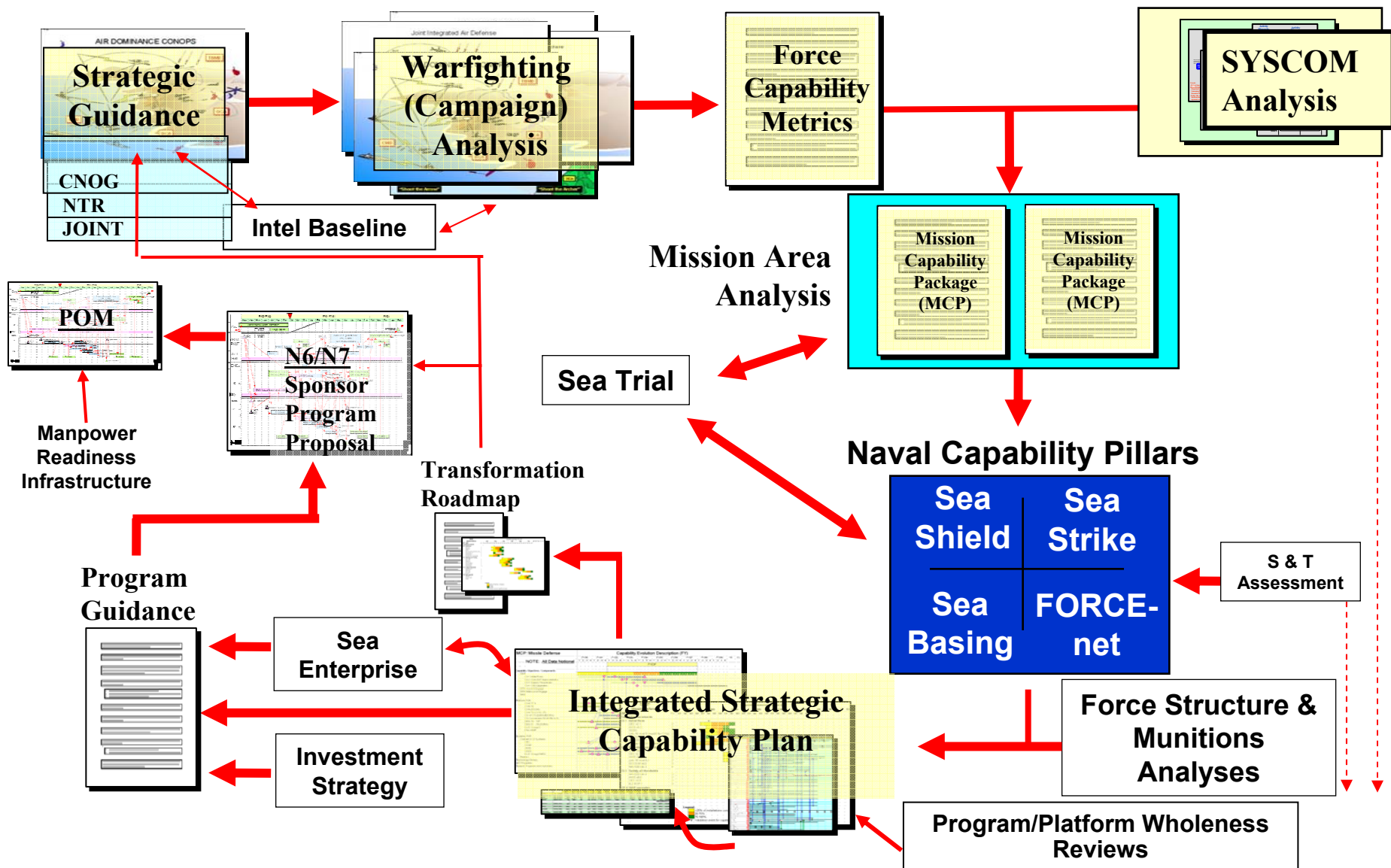




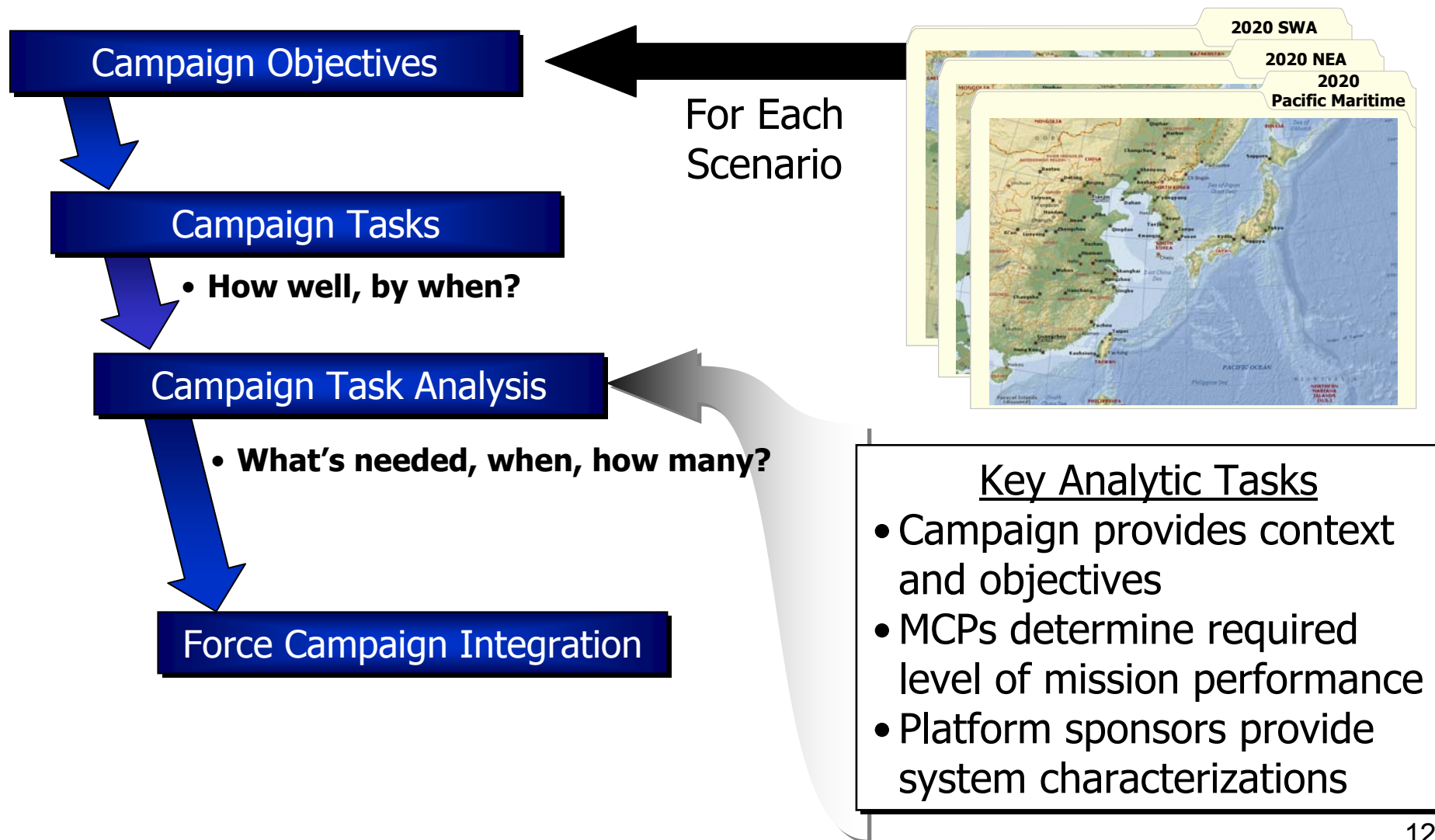
Process Components

- ❑ **Scenarios: define what kinds of fights we must win**
- ❑ **CONOPS: how we want to fight in future**
- ❑ **Warfighting requirements: what capabilities it takes to win**
- ❑ **Analysis: projected capabilities vs requirements**
- ❑ **Force structure analysis: how big a Fleet it takes**
- ❑ **The Integrated Strategic Capability Plan (ISCP) brings it together**

Naval Capability Development Process



Scenario Based Warfighting Assessment Methodology





Scenarios

- ❑ **Plan on the basis of capabilities, but analyze using “what it takes to get to the ring, into it and win” criteria in four general types of wars:**
 - **Conflict at sea to swiftly defeat an access-denial force of significant size and maritime capability**
 - **Conflict near land to swiftly defeat an asymmetric access-denial force at a key economic chokepoint**
 - **Joint land campaign to decisively defeat a regional power in a WMD environment**
 - **Global campaign against terrorism and/or threats to U.S. interests and homeland**



Force Capability Metrics

- ❑ Assure allies
 - ✓ P_N XX% against TBM attacks on xx key APOD/SPOD
- ❑ Assure access and re-open SLOC
 - ✓ Military lift (escorted) by D+XX
 - ✓ Commercial access by D+XX
- ❑ Achieve favorable war termination
 - ✓ Destroy all SS (D+X) and ASCM-armed surface ships/craft (D+X)
 - ✓ Destroy/neutralize all regional power projection capabilities by D+XX
- ❑ Minimize blue losses
 - ✓ Probability of one or more CV/CVN out of action (OOA) <X%
 - ✓ Probability of one or more submarines OOA <XX%
 - ✓ No more than an average of X surface ship OOA
 - ✓ No more than an average of XX (manned/unmanned) aircraft lost
 - ✓ Achieve EXW operational goals with $\leq X\%$ losses to USMC forces

✓ Goal: Re-open chokepoint to commercial traffic by D+XX



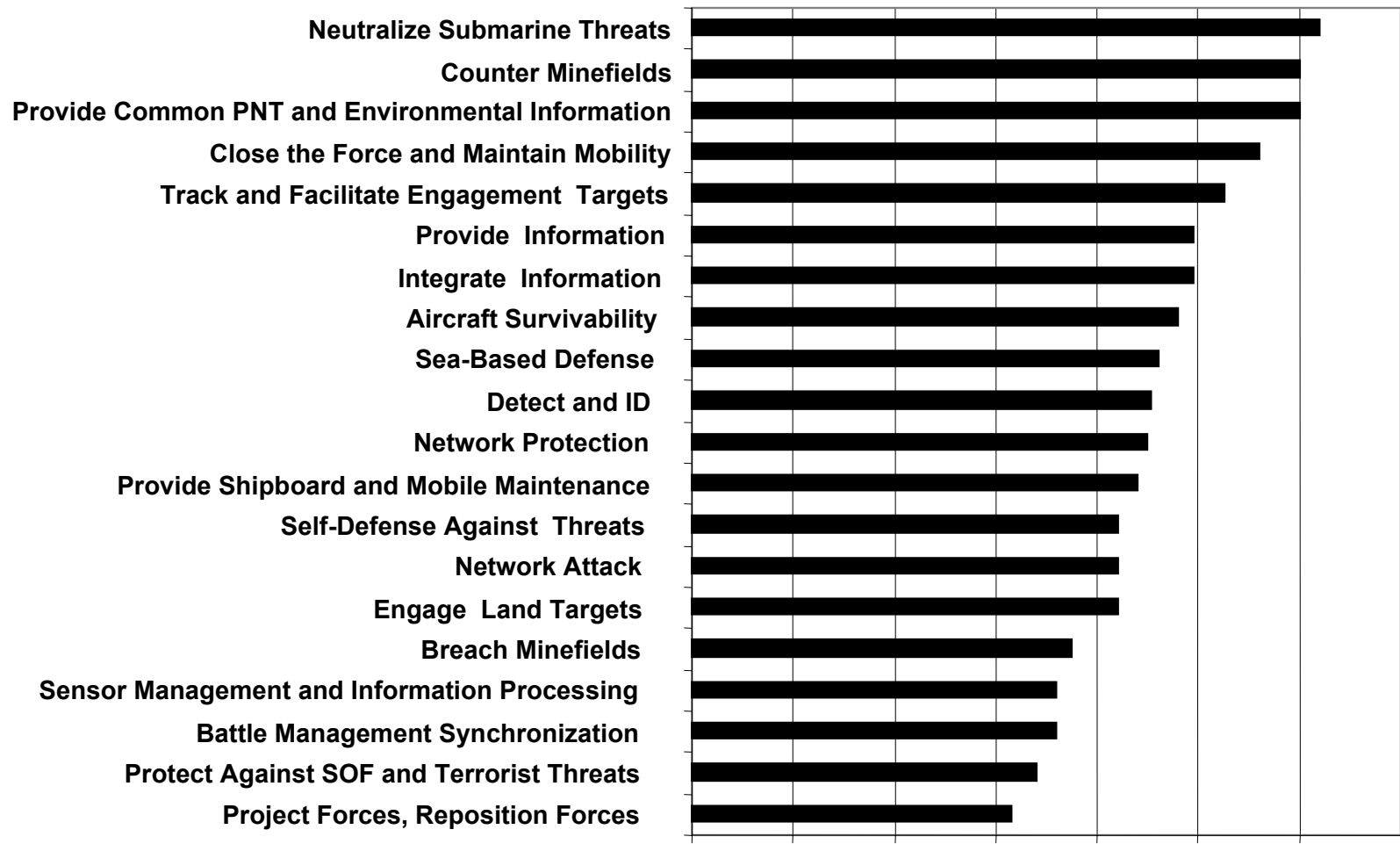
Mission Capability Metrics

- **Mission level metrics use the detect to engage sequence**
 - Detect
 - ID
 - Track
 - Decide
 - Engage
 - Assess
- **Consistent with delivering levels of capability required for success in campaign-level force metrics**
- **Provides quantitative values for mission-level performance requirements, to shape acquisition requirements documents**





Capability Assessment



S&T Alignment Process

Step 1

SeaPower 21 Warfighter
Capabilities

Warfighter Capability
Gaps

Warfighter
Gaps Requiring
S&T

MCP
Analysis

Step 2

OPNAV Assessment

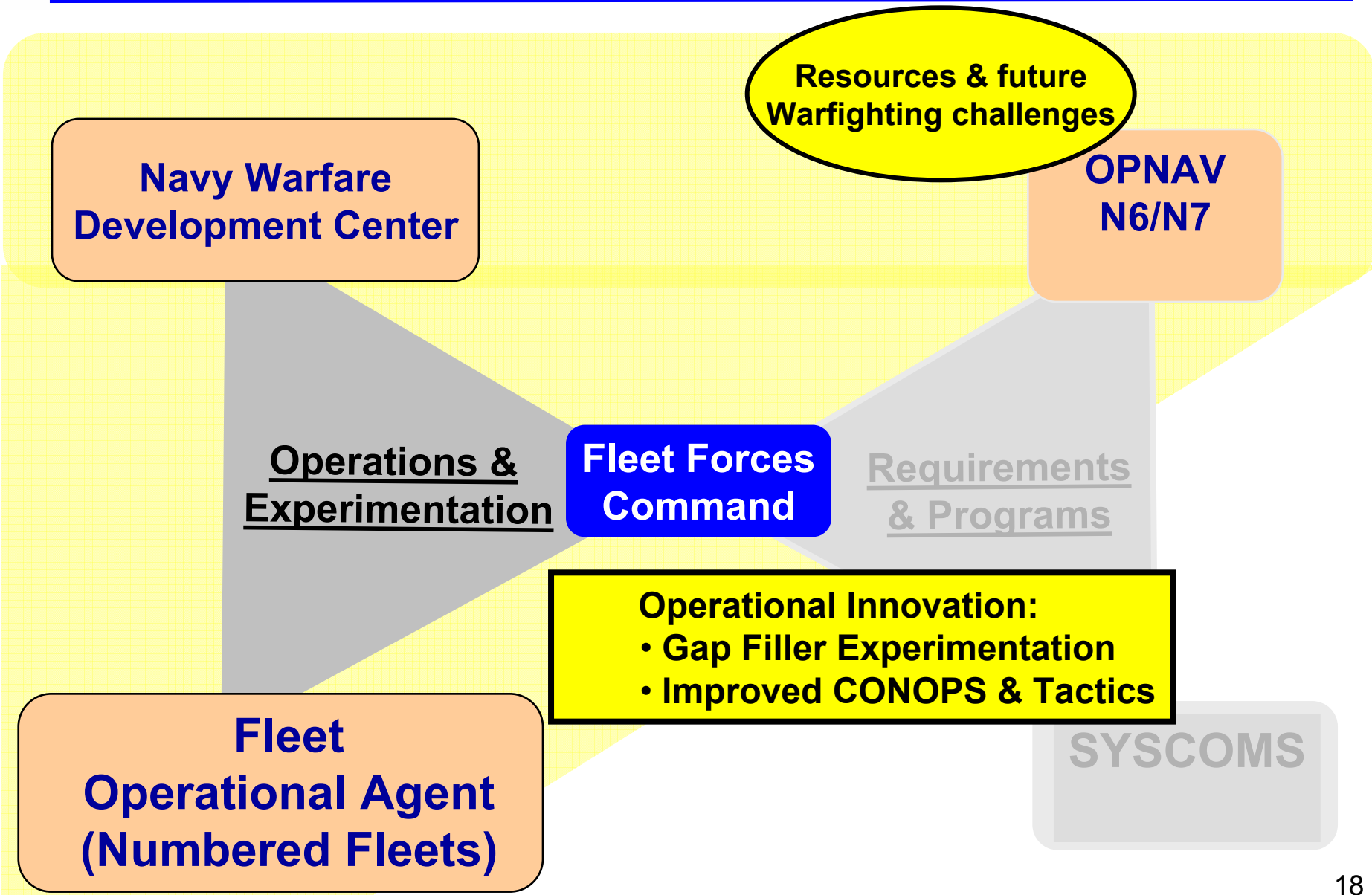
- Capability- Focused
- Warfare Sponsors
- FNC IPT's
- ONR

Step 3

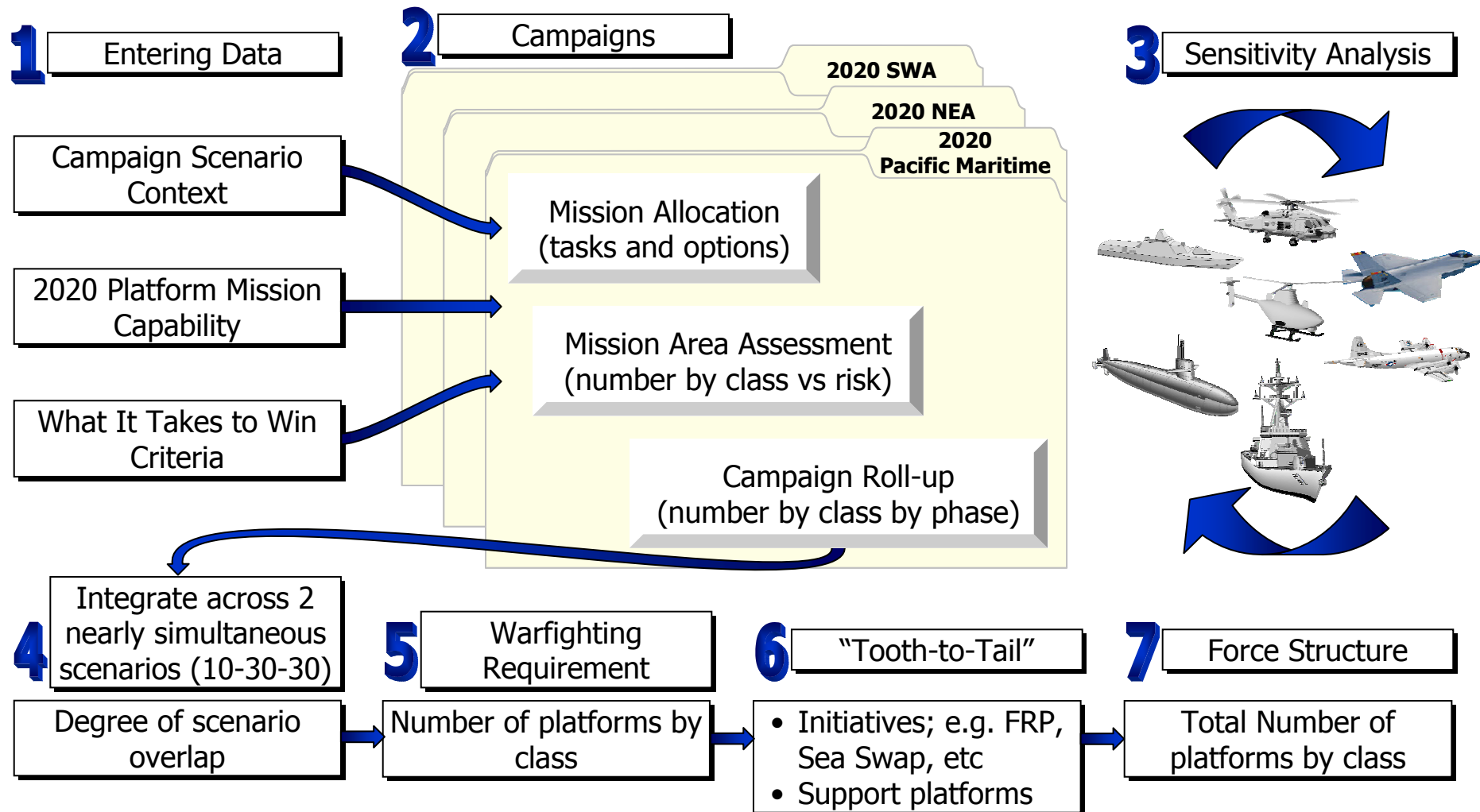
"Critical Mass"
S&T Investment



Sea Trial



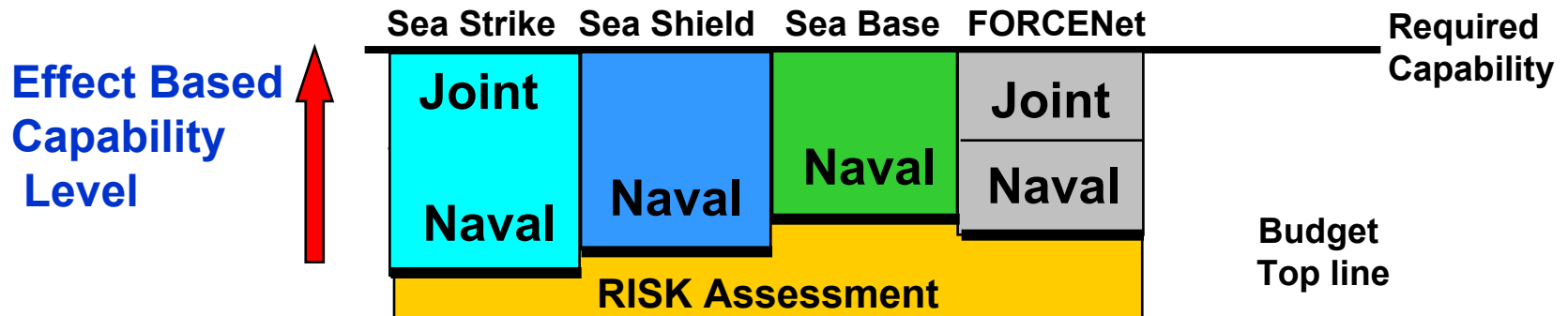
Force Structure Process





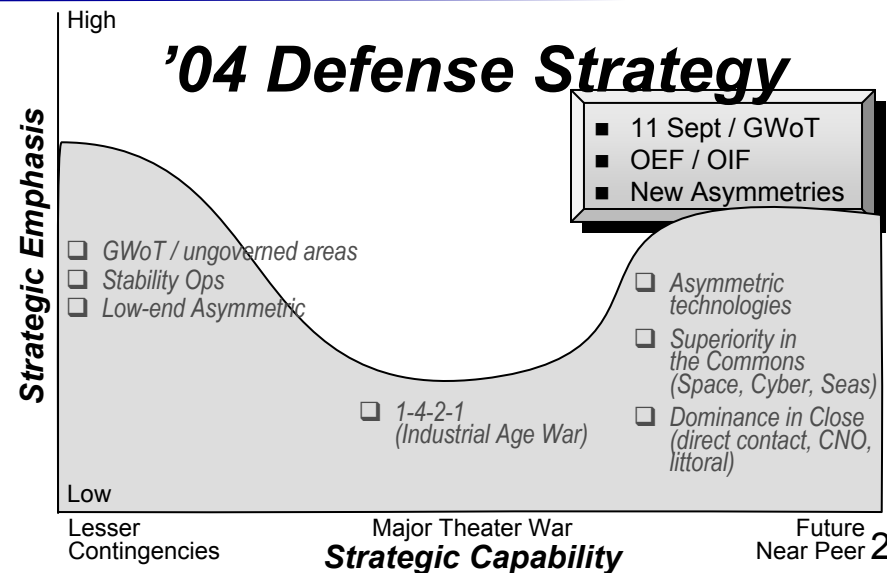
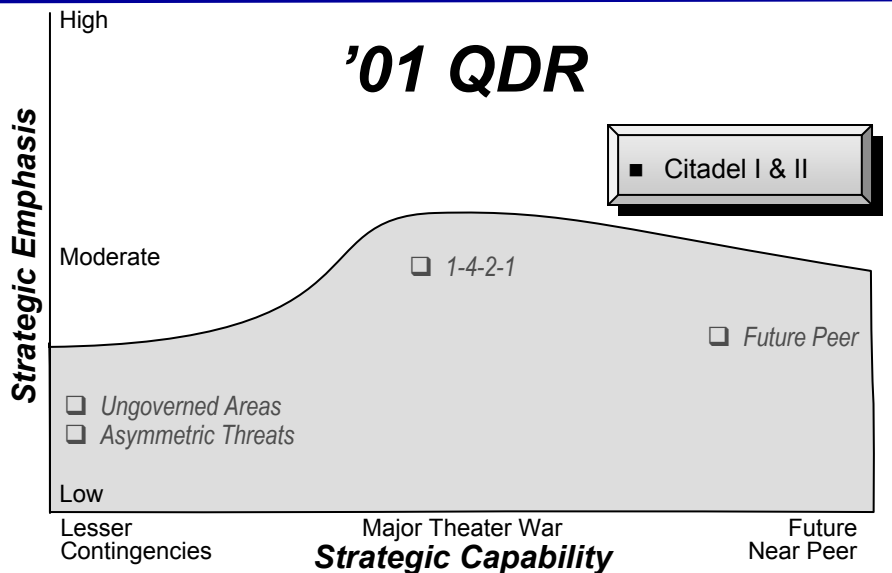
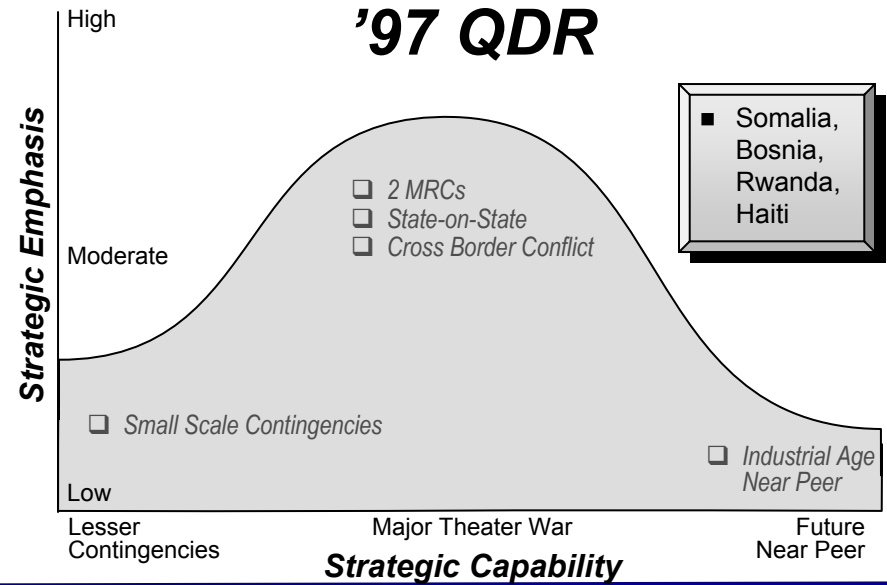
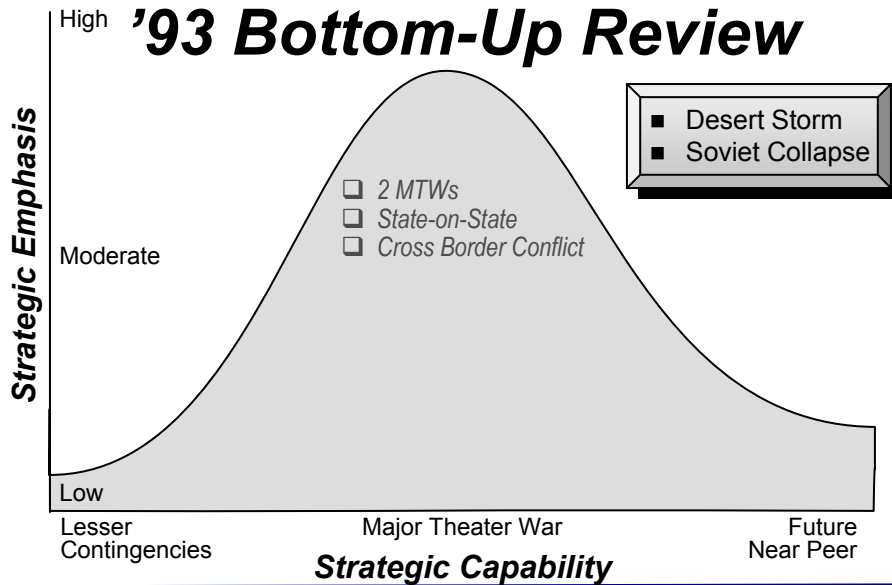
Integrated Strategic Capabilities Plan

- **Balances each Naval warfare capability to meet fiscal constraints while ensuring that the joint force can win**
 - Cross-pillar program prioritization based on gap analysis
 - Both increases & decreases
 - Risk assessment of overall program based on campaign analysis
 - Technical and business assessment of individual programs

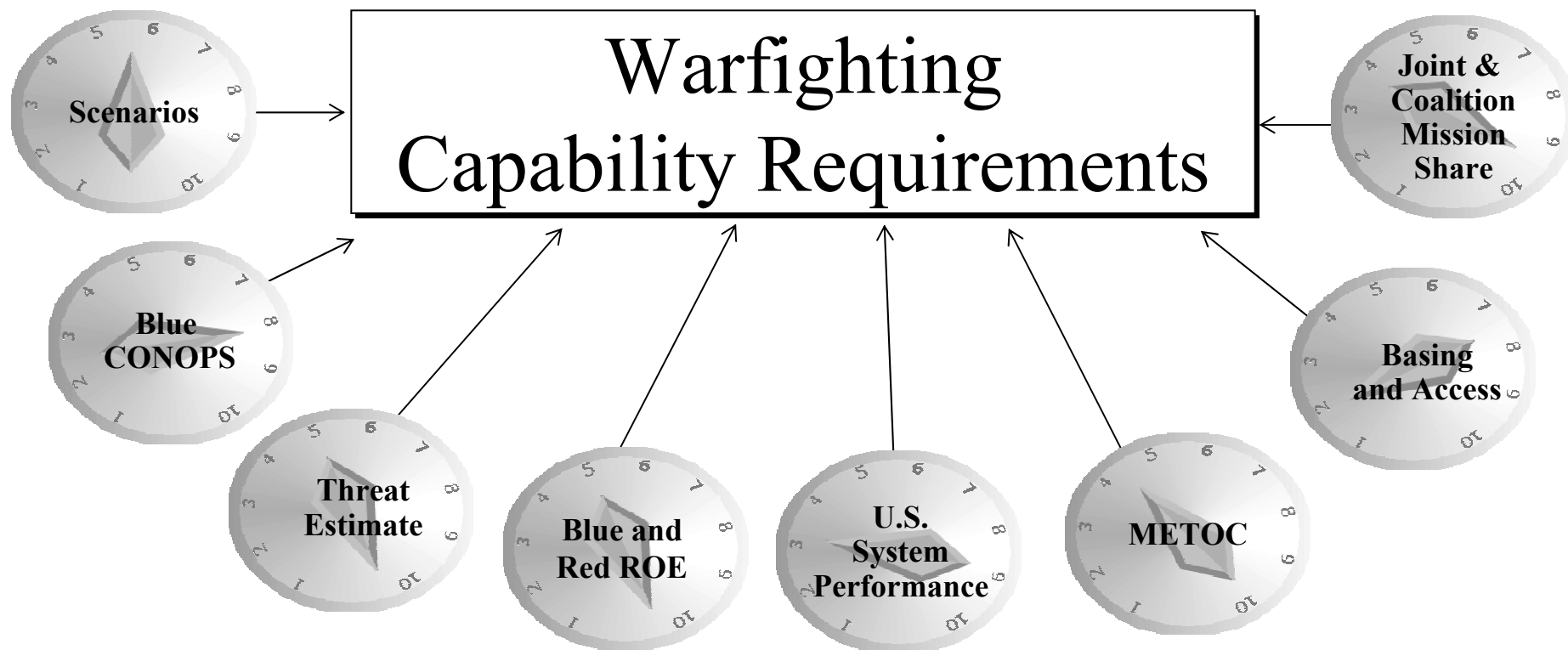


BACKUPS

Changing Strategic Assumptions



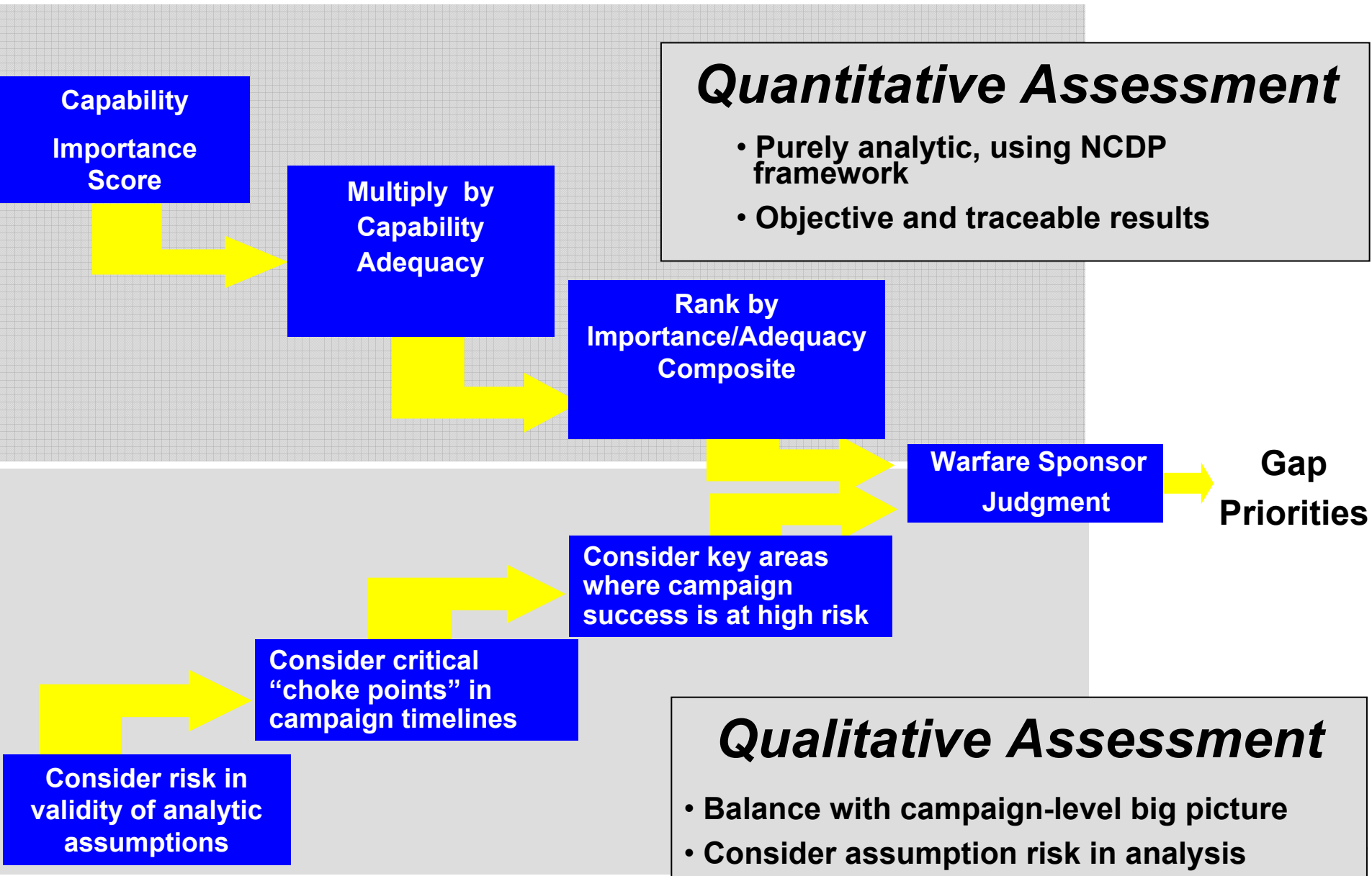
Input Assumptions



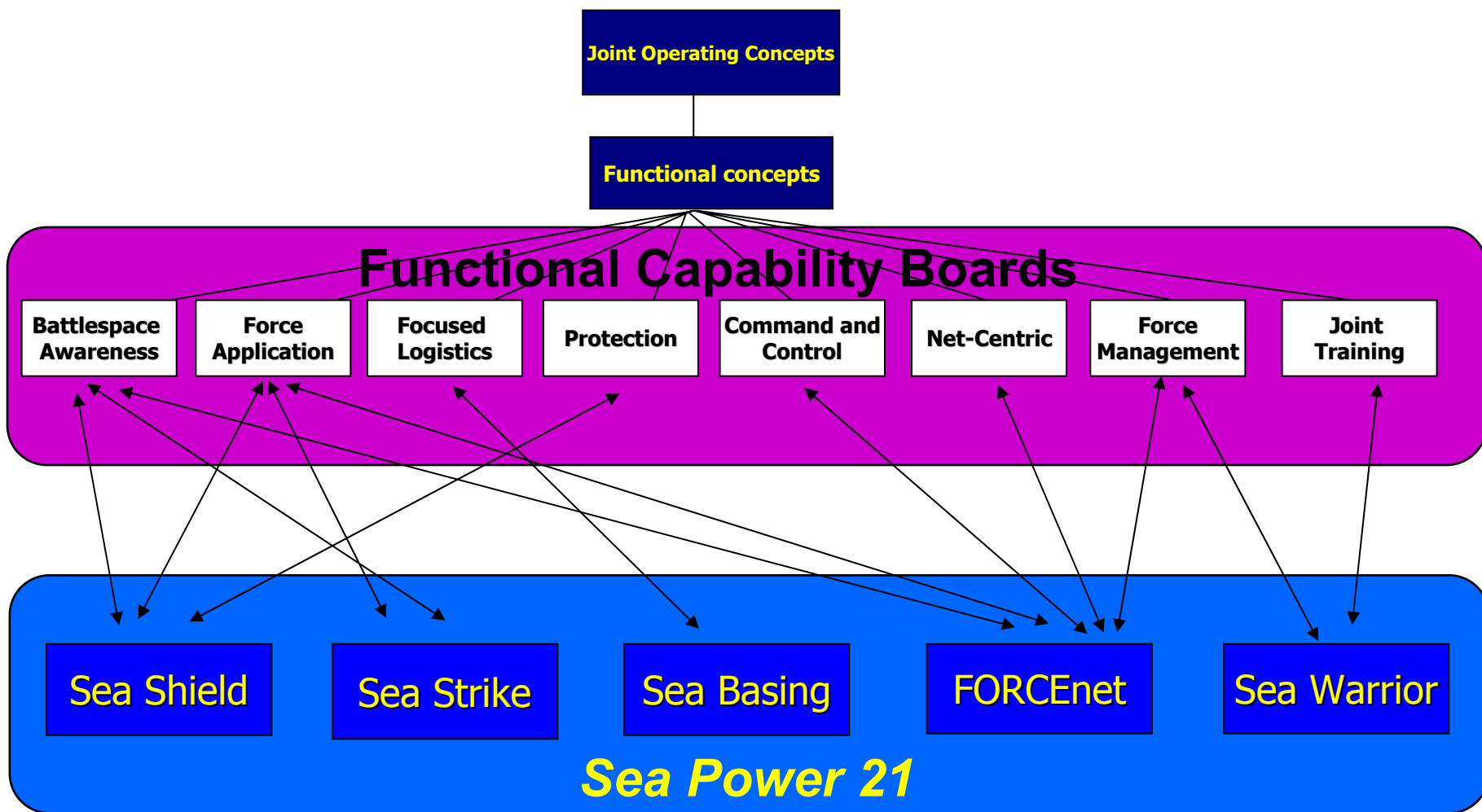
Assumptions inputs drive the analytic results



Integrated Gap Prioritization



JCIDS Integration



Sea Power 21 structure does not match emerging Joint structure